



# *Giga-Joule*

Greenville Chapter

March, 2009

<http://www.ashrae4greenville.com/newsletter.php>

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## *Meeting Announcement*

The March meeting will be held on Thursday, March 12th at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Davin Sandhu, by phone at 864-234-3819 or, email at [programs@ashrae4greenville.com](mailto:programs@ashrae4greenville.com)

## *A Message from the President*

I would like to thank Prof. Dr. Essam E. Kahlil on speaking about the ventilating of the ancient pyramids and tombs in Egypt. I find it truly amazing what has to be done on a day to day basis to preserve these ancient and historical figures.

I look forward to seeing all of you at our next meeting on March 12th, when we welcome Frank Bowman of Bowman Engineering and learn about field erected cooling towers made of different composite material and their benefits around the world.

If anyone has any suggestions or comments about any programs that they would like to see, please let someone on the Board know and we will see what we can do to make it happen. I look forward to seeing all of you on Thursday, March 12th.

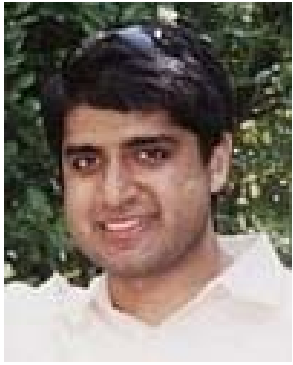
We will also be making a special presentation to Mr. James Wood, a Clemson engineering student who has been awarded the Benny Bootle Scholarship award. Please make it out and support your fellow Tiger.

Best regards,

Will Thomason  
Greenville ASHRAE President  
[president@ashrae4greenville.com](mailto:president@ashrae4greenville.com)



## *Chapter Programs*



**Davin Sandhu**  
**Programs Chairman**  
[programs@ashrae4greenville.com](mailto:programs@ashrae4greenville.com)

I believe that our meeting last month went really well. Some members were able to obtain up to 4 PDHs and we all learned about the challenges that our counterparts may face in different parts of the world.

This month's meeting will again be held at the Roper Mountain Science Center with Frank Bowman of Composite Cooling Solutions speaking on Field Erected Cooling Towers. Please see the meeting agenda on the next page for information on the program.

This month is also our membership promotions meeting as well. Please see Dorothy's message and bring out a friend to sign up for a FREE LUNCH!

## *Student Activities*

Congratulations to James Wood, an engineering student at Clemson, who has received the Benny Bootle Scholarship award for the 2009-2010 academic year.



## *March Meeting*

**Program:** Field erected cooling towers.

**Presenter:** Frank Bowman

Frank J. Bowman Jr. is President of Bowman Engineering & Equipment Company located in Ellicott City, Maryland and also holds the title of Regional Business Manager for Composite Cooling Solutions. Mr. Bowman has over 35 years experience in the cooling tower business with the Baltimore Aircoil Company, where he was responsible for national and international sales and held director and vice president positions throughout his tenure.



Mr. Bowman is a graduate of the University of Maryland with a degree in Mechanical Engineering. Mr. Bowman maintains professional affiliations with the American Society of Heating, Refrigeration and Air Conditioning Engineers, Association of Iron and Steel Engineers, and the Cooling Technology Institute. He has previously served on the board of directors for the Maryland Business Center, China and Maryland China Business Council. CEB.

**Location:** Roper Mountain Science Center ([www.ropermountain.org](http://www.ropermountain.org))

**Date:** Thursday, November 13, 2008

**Time:** 11:30 a.m. Doors Open  
11:35 a.m. Lunch Served  
11:45 a.m. to 12:00 p.m. Chapter Business  
12:00 a.m. to 1:00 p.m. Main Program

**Cost:** Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)

**Education Credit:** This program qualifies for 1.0 PDH (including NC PE)

***Please RSVP to [programs@ashrae4greenville.com](mailto:programs@ashrae4greenville.com)  
no later than Noon Tuesday, March 10, 2009***

## *Membership Corner*

**EVERYONE ENJOYS A FREE LUNCH** especially during these harsh economic times...

Read below and find out how to qualify for FREE LUNCH provided by the Greenville Chapter of ASHRAE.

The Month of March will be our second and final Membership Promotion Meetings for this year. During these meetings, we offer a FREE LUNCH to all New Members who join us with a completed application. We also offer FREE LUNCH to those Members who bring a guest with a completed ASHRAE Membership form. (NOTE: Forms will be available the day of the meeting or can be obtained by going to [www.ASHRAE.org](http://www.ASHRAE.org) )



We are looking forward to meeting potential new members and as always welcome our returning members.

Invite, invite, invite – ASHRAE is open to any person associated with heating, ventilation, air conditioning or refrigeration through such disciplines as indoor air quality and energy conservation. We offer a few different types/grades of Membership – Member, Associate, Affiliate and don't forget Students. To find out more please join us Thursday March 12th – 11:30 @ Roper Mountain Science Center.

For questions and applications, contact me. [membership@ashrae4greenville.com](mailto:membership@ashrae4greenville.com) or (864) 444-0219

Greenville Chapter offers the following discounts to paid Chapter Members:

### **Package A: Discount Card**

If you are a Society Member in good standing (society dues paid up) and have your Chapter Dues paid up, we will issue you a card at your first meeting of the year. Each time you pay for a meeting this card will be punched/notarized. When you have four (4) meetings paid for, the fifth is free.

### **Package B: Prepaid Year**

If you are a Society Member in good standing (Society Dues Paid Up) and a Chapter Dues (Paid Up), you will be offered the option of paying one charge of \$75 for the entire years programs (\$90 value). ASHRAE Membership Applications can be obtained at our regular meetings.

Reminder as of 1/1/2009 Monthly Chapter Meeting Charges will be as follows:

**ASHRAE Greenville Chapter Members - \$10.00 per meeting (includes lunch)**  
(Society & Chapter Dues Paid Up)

**Non-Chapter Members - \$15.00 per meeting (includes lunch)**

# *Chapter Technology Transfer*

## **Technology Awards**

The ASHRAE society year ends in June. It is time to review the projects you have been associated with over the last year and consider submitting something for a technology award. If you have a project with a “green” tint to it or a unique combination of equipment consider submitting it for an award. In today’s market we can all use some good PR.

## **Reference Guides**

ASHRAE has four free publications available. The free versions are PDF downloads of ASHRAE’s Advanced Energy Design Guide series. The four easy to use guides cover Small Warehouses and Self-Storage Buildings, K-12 School Buildings, Small Retail Buildings, and Small Office Buildings. These guides have been developed through the collaboration of ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society of North America (IES), and the U.S. Green Building Council (USGBC), with support from the Department of Energy (DOE). The Small Office Buildings Guide is referenced under LEED NC V2.2 as a possible path for earning 4 points as part of EA Credit 1.

Also available for \$116 (\$99 for members) is the expanded second edition of The ASHRAE Guide for Buildings in Hot and Humid Climates. This edition is three times the size of the first one and adds numerous sections based on field experience. I have heard a number of positive comments on the first edition.

## *Research Promotion*

Spring golf date is planned for **Thursday, April 16<sup>th</sup>** at the Bonnie Brae golf club. Mark your calendars. More details to follow.

Anyone who did not receive their ASHRAE coins, plaques or certificates, please contact me.

Stay tuned for our upcoming Research Promotion meeting.



**Devon Cortright PE**  
**Chapter Technology  
Transfer Chairman**  
[ctt@ashrae4greenville.com](mailto:ctt@ashrae4greenville.com)



**Brian Alexy**  
**Research Chairman**  
[rp@ashrae4greenville.com](mailto:rp@ashrae4greenville.com)

## Tentative Event Dates for 2008-2009

Thursday 09/11/2008	Seismic design of pumps	Harry King James M. Pleasants
Thursday 10/09/2008	100% DX-DOAS Control Strategy	Jeffrey Hughes Desert Aire Corp.
Thursday 10/23/2008	Fall Golf Tournament	Verdae
Thursday 11/13/2008	Mediation and Arbitration	Skip Lewis H2L Consulting Engineers
Thursday 12/11/2008	LEED Presentation at QS-1	Lee Chapman, Devita & Assoc. Wade Crow, Wade Crow Engr.
Thursday 01/08/2009	Pressure Independent Control Valves – Why you need them	Chris Edmondson
Wednesday 02/11/2009	Issues for International Collaboration OR Air Flow, Thermal and Humidity Patterns in Ventilated Archaeological Tombs, Valley of the Kings, Luxor	Cairo Distinguished Lecturer Essam Eldin Khalil, Ph.D
Tuesday 04/14/2009	Joint meeting with Mechanical Contractors Association (MCA)	Location: GM Mechanical
Thursday 03/12/2009	Field Erected Cooling Towers	Frank Bowman CCS
Thursday 04/16/2009	TBD	
Wednesday 04/22/2009	Satellite Broadcast: Indoor Air Quality	
Thursday 05/14/2009	Project Management	Distinguished Lecturer Barry Benator, P.E., CEM



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Technology for a Better Environment

**Region IV**  
**Greenville Chapter**